BRITISH COLUMBIA
The Best Place on Earth

# BC Geological Survey Assessment Report 37617

**Ministry of Energy and Mines**
BC Geological Survey

**Assessment Report**
**Title Page and Summary**

**TYPE OF REPORT [type of survey(s)]:** Geochemical Sampling

**TOTAL COST:** $ 36,630.50

**AUTHOR(S):** Mielniczuk, Milosz

**SIGNATURE(S):**

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):**

**YEAR OF WORK:** 2018

**STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):** 5701222,5707194

**PROPERTY NAME:** KM 26

**CLAIM NAME(S) (on which the work was done):** 596283 637783 649203 1049350 1049351 1049352 1049354 1050322 1051515 1051516 1050312 1050319 1050321 1050325 1049506 1049513 1049515 1061100 1061107 1061099 1061108

**COMMODITIES SOUGHT:** Nickel

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:** 093K 113

**MINING DIVISION:** Omineca Mining Division

**NTS/BCGS:** 093K/087 - 093K15E

**LATITUDE:** 54 ° 51 ' 16 " **LONGITUDE:** 124 ° 44 ' 40 " **(at centre of work)**

**OWNER(S):**

1) Fort Saint James Nickel Corp 2)

**MAILING ADDRESS:**

Suite 888, 888 Dunsmuir street Vancouver BC
V6C 3K4

**OPERATOR(S) [who paid for the work]:**

1) Fort Saint James Nickel Corp 2)

**MAILING ADDRESS:**

Suite 888, 888 Dunsmuir street Vancouver BC
V6C 3K4

**PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):**

Paleozoic, Cache Creek Group Mesozoic Takla Group Limestone chert, mafic to ultramafic volcanics, Pinchi Fault, Serpentenite, Nickel, Gold

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:** 12295, 14926, 31433, 31877

Next Page

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (IN METRIC UNITS) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|---|---|---|---|
| **GEOLOGICAL (scale, area)** | | | |
| **Ground, mapping** | | | |
| **Photo interpretation** | | | |
| **GEOPHYSICAL (line-kilometres)** | | | |
| **Ground** | | | |
| **Magnetic** | | | |
| **Electromagnetic** | | | |
| **Induced Polarization** | | | |
| **Radiometric** | | | |
| **Seismic** | | | |
| **Other** | | | |
| **Airborne** | | | |
| **GEOCHEMICAL (number of samples analysed for...)** | | | |
| **Soil** | | | |
| **Silt** | | | |
| **Rock** | 9 roock Samples | | |
| **Other** | Deep soil/till auger samples | | |
| **DRILLING (total metres; number of holes, size)** | | | |
| **Core** | | | |
| **Non-core** | 10 auger holes | | |
| **RELATED TECHNICAL** | | | |
| **Sampling/assaying** | | | |
| **Petrographic** | | | |
| **Mineralographic** | | | |
| **Metallurgic** | | | |
| **PROSPECTING (scale, area)** | | | |
| **PREPARATORY / PHYSICAL** | | | |
| **Line/grid (kilometres)** | | | |
| **Topographic/Photogrammetric (scale, area)** | | | |
| **Legal surveys (scale, area)** | | | |
| **Road, local access (kilometres)/trail** | | | |
| **Trench (metres)** | | | |
| **Underground dev. (metres)** | | | |
| **Other** | | | |
| | | **TOTAL COST:** | $ 36,630.50 |

# Kilometer 26 PROPERTY
## Omineca Mining Division, B.C.

# 2018 Exploration Report
## On
## Geochemical Sampling

**NTS Sheets**
NTS 093K/087
(NAD 83)
Latitude 54°51'16" Longitude 124°44'40"
(Centre of Property)

**Statement of Work - Event # 5701222 & 5707194**

Site Work completed:
Geochemical Sampling between June 18, 2018 and June 30, 2018

Prepared for:
**Fort Saint James Nickel Corp.**
(FMC #283271)

Prepared by:
**Milosz Mielniczuk G.I.T B.Sc**

**Aug 25, 2018**

# Table of Contents



# Table Of Figures



# List of Tables



# APPENDIX

## 1- Analytical results

# 1. Summary

The following summary is largely derived from an in-house report for Fort St. James Nickel Corp. written by J.W. (Bill) Morton, P. Geo. in 2012. The Kilometer 26 Project is a nickel project with possible gold mineralization located in central British Columbia. It is approximately 50 kilometers northwest of the community of Fort St. James (Figure 1), approximately 2 ½ hours by vehicle from the regional centre of Prince George, BC.

The Kilometer 26 property consists of 21claims (Table 1) totalling 5,178 hectares. The original claims of the Kilometer 26 claim group were staked by Eastfield Resources Ltd. in 2009 as a gold target. Eastfield Resources completed a small whole rock sampling program later that year including two angular pieces of rubble with disseminated nickel sulphide. They returned values comparable to what was being explored for by First Point Minerals Corp. and Cliffs Natural Resources Inc. at the Decar Project, 30 kilometers to the west.

The occurrence of these pieces of rubble prompted subsequent geophysical work in 2010 and 2011 (largely induced polarization and magnetometer surveying). This work indicated the nickel mineralization was possibly sourced in a 7,000 metre plus long feature paralleling a logging road and extending to the west for at least 600 metres. The anomaly is a low lying, relatively flat, and completely covered with overburden.

Late in 2011 Eastfield sold the Kilometer 26 property to Fort St. James Nickel Corp. for 20,000,000 shares which were distributed to shareholders of Eastfield Resources Ltd. in April 2012. Approximately $625,000 was spent on the project from staking to the commencement of a diamond drilling program carried out in November and December of 2011. Nickel mineralized, ultramafic rock was encountered in all the 6 holes, spaced about 400 metres apart, from bedrock interface to the end of the hole. Nickel values exceeding 0.20 % Ni over the entire hole occurred in 5 of the 6 holes. About 65% of this nickel is pentlandite.

Ophiolite hosted in disseminated nickel (low grade, large tonnage) is the primary target of interest on the Kilometer 26 property. Motherlode style (ophiolite gold) mineralization is a secondary interest. (Morton, 2012).

Two geological terranes are covered by the property. Paleozoic Cache Creek Group rocks underlay most the of the property. These rocks are oceanic in origin. The extreme eastern region of the claims is underlain by Mesozoic rocks of the Quesnel Terrane. These are predominantly island arc in derivation. The Pinchi Fault Zone forms the suture which marks this boundary which, in the region of the claims, is predominantly north-south in orientation but is interpreted to be more north-west/south-east on the Fort St. James property. Cache Creek Group rocks in the vicinity of this property are dominated by ultramafic serpentinites, limestone, and basalt. These rocks are interpreted to be a collage of fault blocks formed by a series of accretions, obductions, and thrust faults, directed west to east, of oceanic rock. They extend tens of kilometers in the east-west direction and several times that in the north-south direction. Of interest for nickel mineralization are the mantle derived (now serpentinized) ultramafic units; it is believed these units were thrust up and in some cases over (obducted) shallower oceanic sediments. In the

eastern region of the claim group, the Takla Group (Quesnel Terrance) rocks are predominantly volcanic in origin.
These ultramafic rocks occurring at the Kilometer 26 Property host the nickel mineralization. Of note is past exploration work at the Decar Project, located 30 kilometers to the west. Both First Point Minerals Corp. and Cliffs Natural Resources Inc., have identified ultramafic ophiolitic rocks that host awaruite, an iron nickel alloy, as a potential new source of non-sulphide nickel. The reader should be cautious however, that this mineralization may not be the same as Kilometer 26.

The following report describes the 2018 rock sampling and deep auger hole probing program on the KM26 property.

## 2. Property Description and Location

All the claims are held 100% by Fort St. James Nickel Corp. All claims located in the Omineca Mining Division. They have no royalties, back in rights or other burdens. There are no known environmental issues specific to the property. The claims fall within the asserted traditional lands of the Tl'azt'en Nation which is a first nation community of the Carrier Tribe who have an unresolved land claim in this region of British Columbia. The list of claims is found in Table 1 below and shown in Figure 2.

| Title Number | Claim Name | Map Number | Good To Date | Status | Area (ha) |
|---|---|---|---|---|---|
| 596283 | 26 KM | 093K | 2019/JUN/15 | GOOD | 465.54 |
| 637783 | KM 26 (D) | 093K | 2019/JUN/15 | GOOD | 465.56 |
| 649203 | KM 26 (D) | 093K | 2019/JUN/15 | GOOD | 465.58 |
| 1049350 | FTJ NEW CLAIMS | 093K | 2019/JUN/15 | GOOD | 205.02 |
| 1049351 | FTJ012017 | 093K | 2019/JUN/15 | GOOD | 93.21 |
| 1049352 | FTJ 20 | 093K | 2019/JUN/15 | GOOD | 93.16 |
| 1049354 | FTJ0120172 | 093K | 2019/JUN/15 | GOOD | 55.90 |
| 1050322 | MOE34567 | 093K | 2019/JUN/15 | GOOD | 93.11 |
| 1051515 | FTJ_SW | 093K | 2019/JUN/15 | GOOD | 763.88 |
| 1051516 | FTJ_SW2 | 093K | 2019/JUN/15 | GOOD | 484.59 |
| 1050312 | MOE12345 | 093K | 2019/JUN/15 | GOOD | 372.79 |
| 1050319 | MOE23456 | 093K | 2019/JUN/15 | GOOD | 55.89 |
| 1050321 | NICKEL | 093K | 2019/JUN/15 | GOOD | 18.62 |
| 1050325 | NICKEL 2 | 093K | 2019/JUN/15 | GOOD | 18.62 |
| 1049506 | FTJ 21 | 093K | 2019/JUN/15 | GOOD | 186.02 |
| 1049513 | FTJ 22 | 093K | 2019/JUN/15 | GOOD | 334.84 |
| 1049515 | FTJ 23 | 093K | 2019/JUN/15 | GOOD | 223.33 |
| 1061100 | FTJ MID | 093K | 2019/JUN/15 | GOOD | 37.26 |
| 1061107 | FTJ LOW | 093K | 2019/JUN/15 | GOOD | 37.28 |
| 1061099 | FTJ NORTH | 093K | 2019/JUN/15 | GOOD | 595.5 |
| 1061108 | SOUTH BLOCK | 093K | 2019/JUN/15 | GOOD | 111.83 |
| | | | Total Area: | | **5177.55** |

**Table 1 Mineral Tenure**

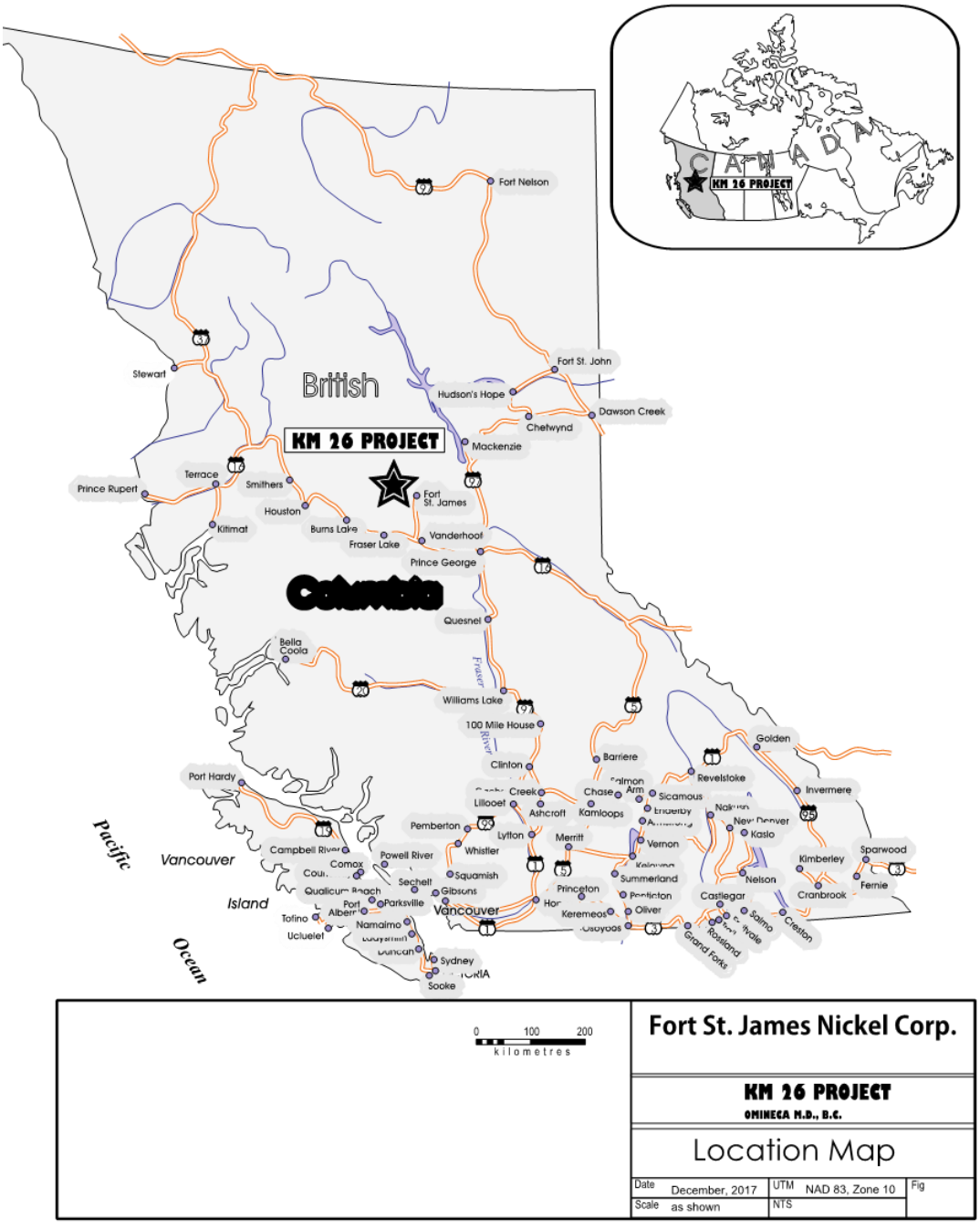



**Figure 1 Location Map**

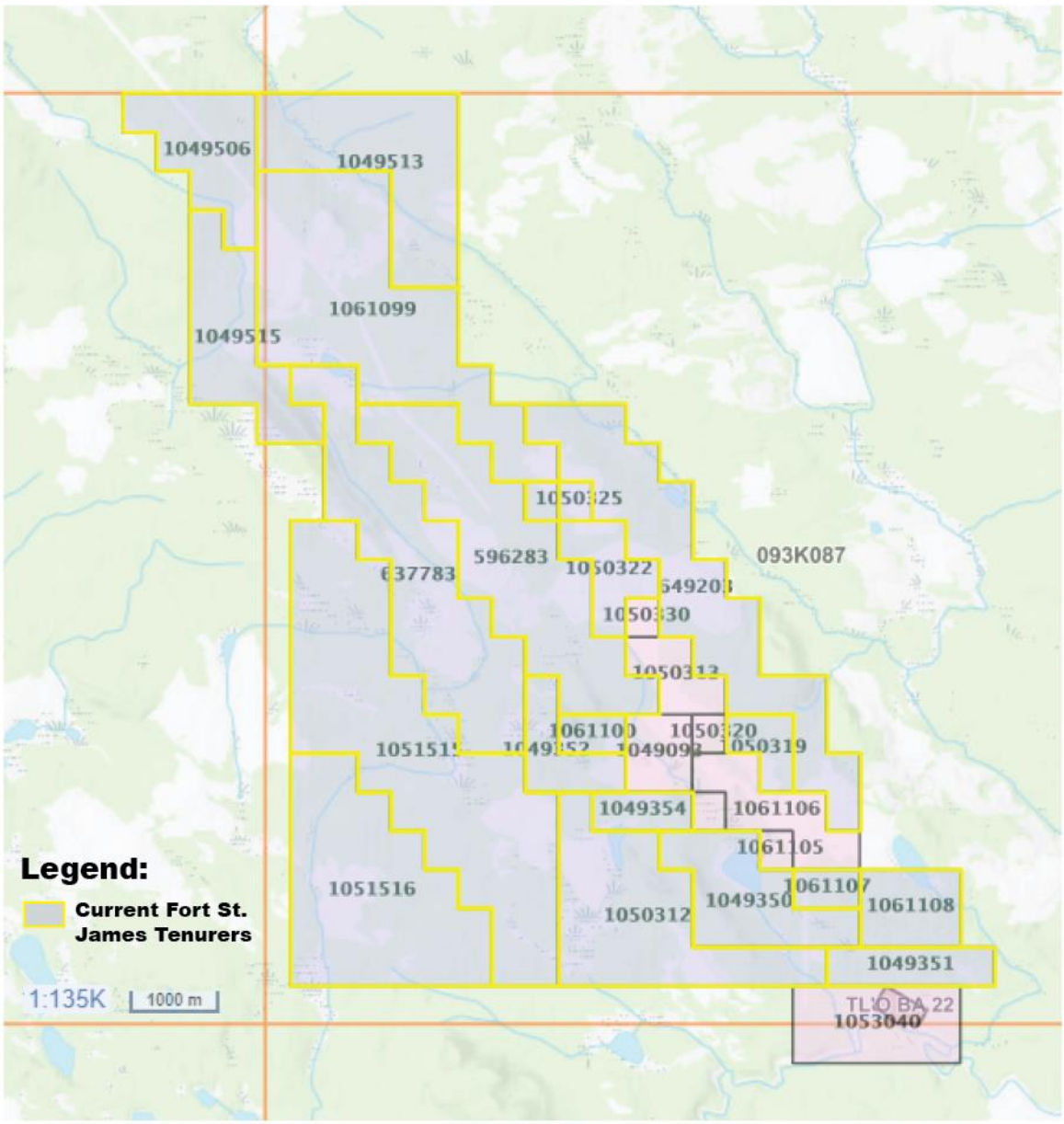



**Figure 2 Tenure Map**

## *1. Accessibility Climate and Physiography*

The southern boundary of the Kilometer 26 project is located approximately 50 kilometers northwest of the town of Fort St. James in central British Columbia. Access to the project is provided by the Tachie road (~ 40km) and then the all weather gravel Leo Creek Forestry Road.

The topography of the Kilometer 26 project is flat to undulating. Elevations varies from 760 metres (2500 feet) to about 880 metres (2900 feet). Lodge-pole pine, spruce, and minor Douglas

The claim is covers a large swath of sub boreal spruce BC Biogeoclimatic zone. The southern portion of the claim is noted to be a Dry warm subzone with the northern portion being a damp Cool subzone.

The climate for this area is typical of central British Columbia with warm to hot summers and cool to cold winters. Permanent snow typically covers the ground from the first part of November until mid-April. Logging activities persist year-round except during spring breakup, when the ground frost melts and road restrictions are invoked to protect the road system. The surface facilitates road-building because of the subdued character of the landscape. Sources of water are plentiful.

## 3. Exploration History

The following exploration history is largely derived from an in-house report for Fort St. James Nickel Corp. written by J.W. (Bill) Morton, P. Geo. in 2012.

In 1983, Cominco Limited conducted a targeted prospecting and geochemical program north of its Pinchi mercury mine along the postulated trace of the Pinchi Fault targeting gold mineralization related to the fault. They successfully discovered a large mineralized boulder at the 26 km mark of the Leo Creek Forestry Road. The boulder, described as being composed of quartz-ankerite-magnesite and mariposite (list-wanite style alteration) repeatedly graded approximately eight grams per tonne gold when sampled several times.

In 1986 Equinox Resources Ltd. (Ross Beaty president) optioned the then Cominco owned claims and completed 734 metres of reverse circulation drilling (Christofferson, 1986). Twenty-one holes were completed with fourteen encountering bedrock. While no significant gold or arsenic results were obtained several holes encountered (and ended in) serpentinite. Importantly, no analysis was performed for nickel.

Nickel mineralized boulders were first sampled at Kilometer 26 in 2009. In 2010 they were traced to two source bedrock areas. Total nickel values varying from 0.15% to 0.23% were sampled in 2010 at six sites. Non silicate nickel for these samples varies from 0.03% to 0.14% and averages 0.10% nickel. Of these samples, three had greater than 60% of the nickel in a non silicate form (up to 0.14% non silicate nickel). The first identification of the awaruite nickel alloy was reported in a scanning electron microscope study by P.C. Le Couteur in a report dated 13 January 2011. High tenor pentlandite (±Ni) dominated the samples examined by Le Couter.

In 2010 and 2011, the most significant exploration was carried out by Fort St. James Nickel Corporation (formerly OroAndes Resource Corp). They established a 64 line kilometers cut grid, completed 57 kilometers of induced polarization surveying, 64 kilometers of magnetometer surveying and collected and analysed 1400 soil samples and 148 rock samples (Morton, 2012).

In November and December 2011 Fort St. James Nickel Corp. completed six diamond drill holes totaling 813 metres. This drilling tested a 1400 metre by 400 metre area of a 7,000 metre long geophysical target (magnetic high). All six holes started and ended in mineralized serpentinite

with five of the holes returning total nickel intercepts of 0.20% to 0.24% Ni and four of the holes (only four analysed for nickel sulphide) returning nickel sulphide values of 0.10% to 0.15% nickel over intervals as wide as 63 metres. Preliminary metallurgical testing has confirmed that most of the mineralization is high nickel tenor pentlandite (average ≈35% Ni) (Morton, 2012).

In September of 2017 Fort St. James Nickel Corp. completed a small soil and rock sampling program. Twenty-nine soils were collected at twenty-five meter intervals on GPS controlled lines. Three whole rock samples were taken at the northern end of the property.

# 4. Geology

## *1. Regional Geology*

The Pinchi Fault Zone is the major structure in the region. It separates two distinct geological terranes; the predominantly Paleozoic aged Cache Creek Group rocks to the west and the predominantly Mesozoic aged Takla Group rocks to the east (part of the Quesnel Terrane). It extends in a north-west, south-east orientation for more than 450 kilometers (twenty kilometers on the Kilometer 26 property) and shows characteristics, over time, of both thrusting and normal faulting. Current hot spring activity on the Pinchi Fault at Tchentlo Lake, located 50 kilometers to the north of the property, confirms that its activity has persisted to recent times and continues. Metamorphic grade of rocks in proximity to the fault zone often are blueschist grade (high pressure-low temperature) much as is the case along the Melones Fault Zone (the Motherlode trend) in California.

In an oceanic tectonic environment like the Cache Creek Group, the bulk of the ultamafic rocks are currently interpreted to be ophiolite complexes (Nixon and Hammack). These types of rocks are often associated with nickel mineralization.

Of interest for regional interpretation, the Axelgold layered gabbro intrusion is located in the Cache Creek Group approximately 150 kilometers to the north-west of Kilometer 26. This several thousand metre thick intrusion is a well-layered, gabbroic to anorthositic complex measuring twelve by five kilometers. The lower, ultramafic portion has not been located and is interpreted, if present, to be buried under an unknown depth of the intrusion.

The Takla Group is part the Quesnel Terrane, a northwest-southeast trending Mesozoic remnant of a west facing volcanic arc. It constitutes the continental margin to which the Cache Creek Group was both accreted and obducted. Takla Group rocks occupy the extreme eastern side of the Kilometer 26 property (around 25% of the property). See figure 3.

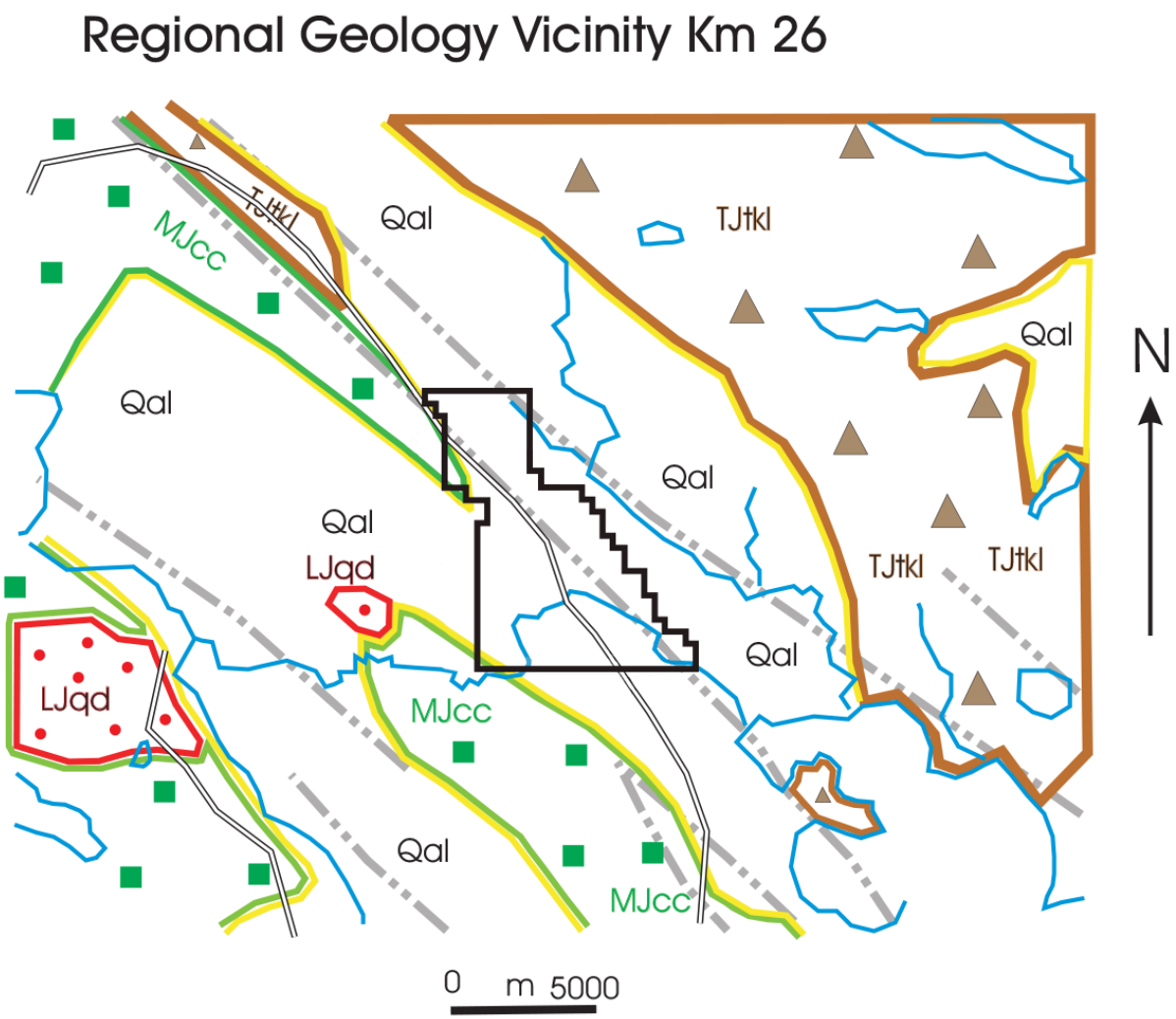



**Figure 3 Regional Geology**

## *2. Property Geology*

The western two-thirds of the Kilometer 26 property are underlain by the Paleozoic aged Cache Creek Group. The Cache Creek Terrane, in British Columbia, represents a Paleozoic ocean floor. The full sequence of pelagic sedimentary rocks, including chert, limestone and some ultramafic rock represents an accretionary assemblage. The ultramafic bodies are generally interpreted to be part of ophiolite sequences (mantle derivatives). Ophiolites are suites of mafic and ultramafic rocks generated in a mantle slab beneath oceanic crust. They are interpreted to be in fault contact

with the younger Takla Group. Both the accretionary and ophiolitic assemblage rocks are well represented in the subsurface on the Kilometer 26 property.

Lithologies identified in outcrop at Kilometer 26 include Cache Creek Group gabbro and limestone, Takla Group mudstone and mafic volcanic tuff. Serpentinite has not been observed outcropping but comprises the entire core sequence drilled in 2011. The chemistry of the serpentinite, particularly its high magnesium content (20%-23% Mg in drill core), implies that the protolith was very rich in olivine and was probably a dunite (Morton, 2012).

## *3. Mineralization Styles*

**Nickel**
Nickel mineralization in serpentinized ultramafic rocks believed to be of ophiolitic origin has been discovered at Kilometre 26. The mineralization initially exposed in rubble has now been confirmed in diamond drilling over a long dimension of 1400 metres and aver a width of approximately 400 metres. Two other mineralized areas distanced as much as 1.8 kilometers west from the drill intercepts have also been discovered. All the mineralized samples are similar in their association with elevated cobalt and chromium and their magnesium content which varies in the surface samples from 7.2% to 18.5% and in drill core to 23% (indicative of serpentinization). The samples are generally very low in sulfur content and have negligible to undetectable mercury. The first identification of the awaruite nickel alloy was reported in a petrographic study by P.C. Le Couteur in January 2011. One sample (of 11 samples submitted) contained the nickel alloy awaruite in the habit of numerous grains ranging from less than 0.01 mm to about 0.15 mm (10 to 150 microns). The average nickel content of the awaruite grains was determined to be 81%. Metallic minerals in the remaining samples were almost exclusively pentlandite with an average nickel content of 35% for all of the non awaruite metallics.

**Gold**
Gold mineralization first identified at Kilometre 26 by Cominco Limited in 1983 (the Cominco Boulder) is thought to be similar to gold mineralization discovered at the Snowbird Gold Deposit (Stuart Lake) and the Indata property (70 kilometers to the north). Collectively the evidence indicates that the Pinchi Fault has considerable gold potential that has remained unknown because of almost complete till coverage. It can be surmised that the Cominco boulder was not in place but most likely is derived from a nearby source within the Pinchi Fault Zone. The boulder, which was analyzed repeatedly at the time, averaged 8.1 g/t gold and was associated with highly anomalous
9 concentrations of arsenic. The mineralization in the boulder indicates listwanite type alteration which is predictable in an environment of obducted ophiolitic mafic and ultramafic rocks.

# 5. 2018 Work Program

Between June 18 and June 30 2018, Fort St. James carried out a rock sampling and deep auger hole probing survey. The auger sampling program was designed to try and identify nickel anomalies between the 2011 diamond drill holes or near nickel bearing boulders.

The rock sampling program followed up on historical known nickel boulder areas as well as explored new areas. Specifically recent cutblocks were visited. A total of 9 rock samples were collected during the work program. Their localtion and associalted Gold, Silver and Nickel values are listed in Table 2 below.

| Sample ID | m East | m North | Description | Au (ppm) | Ag (ppm) | Ni (ppm) |
|---|---|---|---|---|---|---|
| 116001 | 388668.32 | 6076639.84 | Au + Me of serpentenite boulder/subcrop. 1x2x2m subround and 1x1x1 angular boulder of dk /med green serp. Strongly magnetic w/ dk grey sulphide magnetite bands. Trace py. Samp of both boulders. Next to lim outcrop. | <0.005 | 0.01 | 2030 |
| 116002 | 388668.32 | 6076639.84 | au + me of lt-med grey cherty weak sil alt limestone. Rare grey qtz stringer | <0.005 | 0.01 | 3.3 |
| 116003 | 386120.19 | 6081417.38 | au + me of calcite/rare qtz subcrop on roadside pit. Likely road building quarry. Mostly fn siltstone . Sample tag from 2017 in area. | <0.005 | 0.01 | 0.2 |
| 116004 | 387238.68 | 6078600.06 | au+ me of weak to mod sil alt limestone. Samp of limestone boulder 3x4x3 m near outcrop. Appears sil alt lt med grey w/cherty appearence. | 0.005 | 0.01 | 3.2 |
| 116005 | 389118.59 | 6079891.71 | lim stain med grey metased. Trace py cpy and bornite? Chl alt. med grey with blue hue. Sil alt. | <0.005 | 0.04 | 9.7 |
| 116006 | 387557.38 | 6076221.25 | au + me of lg 3x2x4 m boulder + smaller side boulder. Dk green grey serpentenite. Sil alt weak mag. Sample of both boulder. No carbonates in matrix. | <0.005 | 0.02 | 75.1 |
| 116019 | 387460.06 | 6079256.48 | lt-med creamy green grey serp? Fn gre non- v weak mag. Lim stain trace fn py. From 1x2x2 angular boulder | <0.005 | 0.03 | 0.9 |
| 116022 | 388392.78 | 6078223.61 | med grey /greeen serp boulder /subcrop. V.magnetic. Grey stringers trace py. 30x40x20cm ang boulder by drill site. | <0.005 | 0.03 | 2020 |
| 116023 | 388402.16 | 6078226.38 | sub/outcrop of fn gr med grey siltstone3x2x2 buried boulder or outcrop. Non maglim stain on fractures. Near prev sample. | <0.005 | 0.03 | 78.7 |

**Table 2: 2018 Rock Sample results**

The 2018 deep soil auger program used a Little Beaver "Big Beaver" hydraulic soil sampling auger. The holes were drilled to the machines maximum capability for the ground. Clay swelling made drilling difficult in areas. The holes were sopped when bedrock was assumed to be reached or the machine begun to strain or stall during drilling. The samples were collected from the final auger and in some cases at different intervals down hole. The auger hole locations, samples and associated silver, gold and nickel values are listed in table 3 below.

| HOLE ID | Sample ID | m East | m North | Description | Au (ppm) | Ag (ppm) | Ni (ppm) |
|---|---|---|---|---|---|---|---|
| 2018AH01 | 116007 | 387662.9 | 6075912 | Auger @ 20 ft dk gey | 0.0021 | 0.084 | 48.9 |
| 2018AH01 | 116008 | 387662.9 | 6075912 | auger @ 30 ft wet clay silt | 0.001 | 0.109 | 55.8 |
| 2018AH01 | 116009 | 387662.9 | 6075912 | Auger @ 40 to 43 ft (eoh) clay silt loam | 0.0014 | 0.1 | 51.9 |
| 2018AH02 | 116010 | 387511.7 | 6076226 | auger hole 20-30 ft brown till | 0.0012 | 0.099 | 48.1 |
| 2018AH02 | 116011 | 387511.7 | 6076226 | auger 40-44 (last auger) dk grey silty clay + ang chunks | 0.0033 | 0.102 | 48.9 |
| 2018AH03 | 116012 | 387199.3 | 6076515 | till, lost auger bit hole, 3 attempts sandy silt12 ft | 0.0017 | 0.071 | 56.7 |
| 2018AH04 | 116013 | 387577.6 | 6078648 | 50-54 ft auger (last) silty clay loam | 0.0008 | 0.092 | 70.7 |
| 2018AH04 | 116014 | 387577.6 | 6078648 | 24-28 auger med gery silty clay | 0.0012 | 0.101 | 57 |
| 2018AH05 | 116015 | 387543.8 | 6078759 | 18-12 ft auger (last auger.... Shallow hole) hit boulders? Dk brown silty sand loam + gravel | 0.0012 | 0.12 | 55 |
| 2018AH06 | 116016 | 387538 | 6078857 | silt sand loam 30-34 ft auger (34 foot hole) dk grey silt sand loam | 0.0011 | 0.131 | 89.6 |
| 2018AH07 | 116017 | 387427.7 | 6079292 | 32 ft hole sample 28-32 ft auger silty sand loam | 0.0014 | 0.128 | 64 |
| 2018AH08 | 116018 | 387491.1 | 6079181 | 48 ft hole sample 44-48 ft auger- grey silty sand loam w both and and round chunks. Till? Fault? | 0.0011 | 0.111 | 53.8 |
| 2018AH09 | 116020 | 388454 | 6078220 | 20 foot hole, sample 16-20 ft auger 3 other short holes attempted. Fn gr silty sand loam. | 0.0017 | 0.108 | 54.2 |
| 2018AH10 | 116021 | 388425.4 | 6078227 | 16 ft auger, 12-16 sampled. Grey slty sand w/ gravel. Till? | 0.0009 | 0.11 | 55.8 |

**Table 3 Deep Soil Auger Samples**

The highlight of the 2018 rock sampling program is sample 116001. This sample was collected in an area that to the author's knowledge has not been previously documented. The sample was collected from two large boulders subangular to angular possible subcrop of serpententite, next to an outcrop of limestone. Sample 116001 returned assays of 2030ppm Ni. Another high Nickel value came from sample 116022 of Serpentenite boulders/subcrop near a 2011 drill pad.

The auger drill program did not return any strong gold, silver or nickel anomalies. The most significant nickel value came from a 34 foot auger hole that sampled a dark grey silty sand loam. The sample returned 89.6 ppm Nickel. The average of all the samples collected is 58ppm Ni.

# KM 26 Sample Locations

1:10,000

## Figure 4

- Rock Samples Location
- Soil Samples Location
- Tenure Boundary

0 0.2 0.4 0.8 1.2 1.6 Kilometers

N

| Sample ID | m East | m North | Au (ppm) | Ag (ppm) | Ni (ppm) |
|---|---|---|---|---|---|
| 116001 | 388668.323 | 6076639.839 | <0.005 | 0.01 | 2030 |
| 116002 | 388668.323 | 6076639.839 | <0.005 | 0.01 | 3.3 |
| 116003 | 386120.19 | 6081417.38 | <0.005 | 0.01 | 0.2 |
| 116004 | 387238.68 | 6078600.064 | 0.005 | 0.01 | 3.2 |
| 116005 | 389118.594 | 6079891.709 | <0.005 | 0.04 | 9.7 |
| 116006 | 387557.377 | 6076221.249 | <0.005 | 0.02 | 75.1 |
| 116007 | 387662.874 | 6075912.353 | 0.0021 | 0.084 | 48.9 |
| 116008 | 387662.874 | 6075912.353 | 0.001 | 0.109 | 55.8 |
| 116009 | 387662.874 | 6075912.353 | 0.0014 | 0.1 | 51.9 |
| 116010 | 387511.713 | 6076225.506 | 0.0012 | 0.099 | 48.1 |
| 116011 | 387511.713 | 6076225.506 | 0.0033 | 0.102 | 48.9 |
| 116012 | 387199.276 | 6076514.76 | 0.0017 | 0.071 | 56.7 |
| 116013 | 387577.566 | 6078647.581 | 0.0008 | 0.092 | 70.7 |
| 116014 | 387577.566 | 6078647.581 | 0.0012 | 0.101 | 57 |
| 116015 | 387543.789 | 6078758.862 | 0.0012 | 0.12 | 55 |
| 116016 | 387537.96 | 6078857.199 | 0.0011 | 0.131 | 89.6 |
| 116017 | 387427.671 | 6079291.912 | 0.0014 | 0.128 | 64 |
| 116018 | 387491.067 | 6079181.113 | 0.0011 | 0.111 | 53.8 |
| 116019 | 387460.061 | 6079256.478 | <0.005 | 0.03 | 0.9 |
| 116020 | 388453.986 | 6078220.089 | 0.0017 | 0.108 | 54.2 |
| 116021 | 388425.431 | 6078226.808 | 0.0009 | 0.11 | 55.8 |
| 116022 | 388392.775 | 6078223.61 | <0.005 | 0.03 | 2020 |
| 116023 | 388402.161 | 6078226.383 | <0.005 | 0.03 | 78.7 |

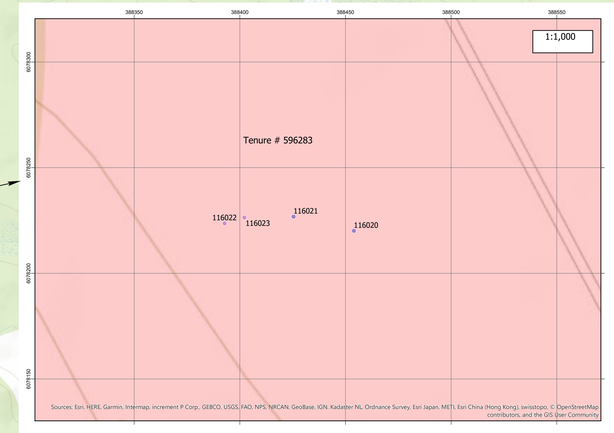
Tenure # 1061099

Tenure # 649203

Tenure # 596283

Tenure # 1049354

Tenure # 1051515



# 6. Conclusions and Recommendations

The 2018 work program located nickel bearing boulders or possible subcrop in a previously undocumented area. The angular and subangular serpentenite boulders were found nearby a limestone outcrop. Further work should be carried out in this area. The program may consist of a detailed prospecting program, or soil sampling. Due to the proximity to outcrop it is recommended that a trenching program be carried out to determine the source of these boulders.

Further auger holes could also be completed in the area of sample 116001. Overburden may be shallow in this region allowing for better data.

# 7. Statement of Authors Qualifications

I, Milosz Mielniczuk, certify that:

1. I am an exploration geologist (G.I.T) residing at 327 Evergreen Way Vernon, BC, V1H-2B8.

2. I obtained a B.Sc in Earth and Environmental Sciences at UBCO in 2012.

3. I have worked seasonally in the mineral exploration field since 2010.

4. I am a consultant of NBG Eotech & Contracting Services Inc. of Vancouver, British Columbia.

5. I personally carried out the work described in this report.

"Milosz Mielinczuk, G.I.T, B.Sc" Aug 25th, 2018

_____ _____

Signature Date of signing

# 8. Statement of Costs

| Labour | | | | |
|---|---|---|---|---|
| **Position** | **Quantity** | **Cost** | | **total** |
| Geologist | 13 | $ 750 | /day | $ 9,750 |
| Field Crew | 13 | $ 375 | /day | $ 4,875 |
| | | | | $ 14,625 |
| | | | | |
| **Equipment** | | | | |
| **Item** | **Quantity** | **Cost** | | **total** |
| Truck Rental | 13 | $ 150 | /day | $ 1,950 |
| ATV Rental (2) | 26 | $ 125 | /day | $ 3,250 |
| Flatdeck Trailer | 13 | $ 75 | /day | $ 975 |
| ATV Trailer | 13 | $ 35 | /day | $ 455 |
| Auger | 13 | $ 350 | /day | $ 4,550 |
| Chainsaw | 13 | $ 40 | /day | $ 520 |
| Field Gear and Tools | 26 | $ 45 | /day | $ 1,170 |
| Sat phone | 1 | $ 200 | /2 weeks | $ 200 |
| Fuel Truck | 13 | $ 50 | /day | $ 650 |
| Fuel ATV | 26 | $ 10 | /day | $ 260 |
| | | | | $ 13,980 |
| | | | | |
| **Report Writing** | | | | |
| **Geologist** | **Quantity** | **Cost** | | **total** |
| Research and Writing | 2.5 | $ 750 | /day | $ 1,875 |
| Maps and Modeling | 1 | $ 750 | /day | $ 750 |
| | | | | $ 2,625 |
| | | | | |
| **Assays** | | | | |
| **Invoice #** | | | | **total** |
| 4358309 | | | | $ 667.60 |
| 4358261 | | | | $ 542.90 |
| | | | | $ 1,210.50 |
| | | | | |
| **Food and Accommodation** | | | | |
| **Item** | **Quantity** | **Cost** | | **total** |
| Food | 26 | $ 65 | /day | $ 1,690 |
| Accommodation | 26 | $ 125 | /day | $ 3,250 |
| | | | | $ 4,940 |
| | | | | |
| Total | | | | $36,630.50 |

# 9. References


Ash, C.H., 2001, Ophiolite Related Gold Quartz Veins in the North American Cordillera, Ministry of Energy and Mines, Energy and Minerals Division, Geological Survey Branch, Bulletin 108.

Ausenco, Dec 16, 2011, Royal Nickel Corporation, Technical Report on the Dumont Project, Launay and Trecesson Townships, Quebec, Canada

B.C. Geological Survey, 2005, Geology of British Columbia, Geoscience Map, 2005-3, North Sheet

Christofferson, J.E., 1986, A Report on a Reverse Circulation Overburden Drilling [program] on the Gros Property, Fort St. James Area, B.C., for Cominco Limited, Equinox Resources Ltd. and Rennex Resources Ltd., Assessment Report # 14,926.

Geoscience BC, January 2009, Helicopter Borne AeroTEM System Electromagnetic and Magnetometer Survey, Quest West, Plate 2, Block D&E.

Irvine, T.N., 1975, Axelgold Layered Gabbro Intrusion, McConnell Creek Map-Area, British Columbia, Paper 75-1, Part B, Geological Survey of Canada.

Laird, B. and Ambrose, T., 16 June 2011, Kilometre 26 Project, Summary of May- June 2011 Mapping and Prospecting Program, for Eastfield Resources, Ltd., and OroAndes Resources Corp., Mincord Exploration Consultants, Ltd. 15 pp.

Le Couteur, PC, Ph.D, P.Eng, June 8, 2012: Petrographic Report An Analyses of Opaques in Serpentinite to Eastfield Resources Ltd.; 13 January 2011; 9 pages.

Le Couteur, PC, Ph.D, P.Eng, January 13, 2011: Petrographic Report an Analyses of Opaques in Serpentinite to Eastfield Resources Ltd.; 15 pages.

McLeod, JA, 2011; Letter Report of 5 Samples for Mineralogical Study to Bill Morton; 10March 2011, Acme Job VAN11000289, 13 pages

Monger, J.W.H., 1977: Upper Paleozoic Rocks of the Western Cordillera and their bearing on Cordilleran Evolution; Canadian Journal of Earth Science, volume 14(8), p.1832-1859.

Morton, J.W., 2009: Report on the 2008 Diamond Drill Program on the Indata Property, for Max Resource Corp. and Eastfield Resources Ltd.; Report filed for Assessment Work requirements.

Morton, J. W., 2010(a), Assessment Report Describing 2009 Work Completed on the Kilometre 26 Mineral Property, Omineca Mining Division, BC, Latitude 54°51'16", Longitude124°44' 40", NTS 388,000E, 6,080,000N, (NAD 83), (Centre of Property) for Eastfield Resources Ltd. and OroAndes Resource Corp. March 15, 2010.

Morton, J. W., Feb, 2012, Assessment Report Describing Induced Polarization and Soil Geochemistry Completed on the Kilometre 26 Mineral Property (2011), Omineca Mining Division, BC, Latitude 54°51'16", Longitude124°44' 40", NTS 388,000E,

6,080,000N, (NAD 83), (Centre of Property) for Fort St. James Nickel Corp. and Eastfield Resources Ltd, Feb, 2012.

Morton, J. W., Oct 5, 2012, Assessment Report Describing Diamond Drilling Completed on the Kilometre 26 Mineral Property (2011), Omineca Mining Division, BC, Latitude 54°51'16", Longitude124°44' 40", NTS 388,000E, 6,080,000N, (NAD 83), (Centre of Property) for Fort St. James Nickel Corp. and Eastfield Resources Ltd, Oct 5, 2012.

Nixon, G.T. and Hammack, J.L., 1991: Metallogeny of Ultramafic-mafic rocks in British Columbia with Emphasis on Platinum Group Elements; in Ore Deposits, Tectonics and Metallogeny in the Canadian Cordillera, B.C. Ministry of Energy Mines and Petroleum Resources, Paper 1991-4, P.125-158

Schiarizza, P. and MacIntyre, D., 1999: Geology of the Babine Lake – Takla Lake Area, Central British Columbia, B.C. Ministry of Energy and Mines, Geological Fieldwork, Paper 1999-1, p. 33-68

SGS Canada Inc., March 27, 2012, An Investigation into Kilometer 26 Project Samples, prepared for OroAndes Resource Corp., P

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**This copy reported on 8-AUG-2018**
**Account: NBGECO**

# CERTIFICATE VA18165011

Project: Fort saint James

This report is for 9 Rock samples submitted to our lab in Vancouver, BC, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| DAVID MARTIN | MILOSZ MIELNICZUK | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| CRU-32 | Fine Crushing 90% <2mm |
| PUL-35a | Pulv 1 kg split to 95%<106 um |
| BAG-01 | Bulk Master for Storage |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | |
|---|---|---|
| ME-MS61 | 48 element four acid ICP-MS | |
| Au-AA23 | Au 30g FA-AA finish | AAS |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165011

| Sample Description | Method | WEI-21 | Au-AA23 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.005 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| V116001 | | 1.56 | <0.005 | 0.01 | 0.84 | 0.6 | 10 | <0.05 | 0.02 | 0.18 | 0.08 | 1.08 | 98.5 | 1600 | <0.05 | 12.5 |
| V116002 | | 1.50 | <0.005 | 0.01 | 0.08 | <0.2 | 20 | <0.05 | 0.02 | 36.7 | 1.15 | 3.28 | 1.0 | 6 | <0.05 | 3.1 |
| V116003 | | 1.86 | <0.005 | 0.01 | 0.31 | 0.2 | 30 | 0.12 | 0.02 | 36.9 | 0.02 | 4.25 | 1.2 | 3 | 0.65 | 3.7 |
| V116004 | | 2.18 | 0.005 | 0.01 | 0.07 | 0.3 | 80 | 0.13 | 0.02 | 23.8 | 0.46 | 0.64 | 0.8 | 8 | <0.05 | 2.1 |
| V116005 | | 1.56 | <0.005 | 0.04 | 2.06 | <0.2 | 1800 | 0.74 | 0.24 | 0.05 | 0.03 | 12.95 | 2.2 | 18 | 1.83 | 22.7 |
| V116006 | | 1.68 | <0.005 | 0.02 | 9.29 | 0.3 | 780 | 1.49 | 0.02 | 3.96 | 0.12 | 25.6 | 35.6 | 149 | 0.90 | 50.2 |
| V116019 | | 1.66 | <0.005 | 0.03 | 8.96 | 0.3 | 240 | 2.39 | 0.05 | 2.27 | 0.16 | 125.5 | 5.5 | 2 | 0.17 | 1.6 |
| V116022 | | 2.88 | <0.005 | 0.03 | 0.46 | 5.7 | 40 | <0.05 | 0.01 | 0.10 | 0.08 | 1.39 | 108.5 | 1820 | <0.05 | 21.1 |
| V116023 | | 2.54 | <0.005 | 0.03 | 10.85 | 0.6 | 80 | 0.15 | 0.04 | 8.78 | 0.24 | 14.10 | 55.5 | 185 | 0.09 | 83.6 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165011

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOD | 0.01 | 0.05 | 0.05 | 0.1 | 0.005 | 0.01 | 0.5 | 0.2 | 0.01 | 5 | 0.05 | 0.01 | 0.1 | 0.2 | 10 |
| V116001 | | 5.30 | 1.79 | <0.05 | 0.1 | 0.008 | <0.01 | 0.5 | 0.5 | 22.7 | 1100 | 0.17 | <0.01 | 0.3 | 2030 | 110 |
| V116002 | | 0.07 | 0.22 | <0.05 | 0.1 | <0.005 | 0.02 | 10.9 | 0.5 | 0.34 | 40 | 0.17 | 0.02 | 0.1 | 3.3 | 150 |
| V116003 | | 1.00 | 0.90 | <0.05 | 0.1 | <0.005 | 0.05 | 3.0 | 0.9 | 0.08 | 2440 | 0.07 | 0.08 | 0.2 | 0.2 | 30 |
| V116004 | | 0.31 | 0.22 | 0.07 | <0.1 | <0.005 | 0.02 | <0.5 | 1.6 | 10.65 | 97 | 0.13 | 0.02 | 0.1 | 3.2 | 130 |
| V116005 | | 1.30 | 6.90 | 0.06 | 0.8 | 0.033 | 0.88 | 6.2 | 14.2 | 0.38 | 76 | 1.04 | 0.18 | 2.6 | 9.7 | 150 |
| V116006 | | 7.39 | 22.3 | 0.09 | 1.2 | 0.078 | 1.36 | 9.8 | 37.7 | 3.09 | 1200 | 0.64 | 3.21 | 18.5 | 75.1 | 1240 |
| V116019 | | 6.10 | 25.3 | 0.16 | 5.6 | 0.092 | 0.22 | 55.9 | 21.2 | 1.07 | 1290 | 4.22 | 5.33 | 66.0 | 0.9 | 2920 |
| V116022 | | 6.16 | 0.96 | <0.05 | <0.1 | 0.008 | 0.01 | 0.9 | 2.2 | 24.6 | 1640 | 0.40 | 0.01 | 0.2 | 2020 | 30 |
| V116023 | | 11.55 | 20.8 | 0.09 | 1.5 | 0.100 | 0.05 | 4.4 | 36.8 | 5.84 | 1880 | 0.52 | 0.04 | 1.8 | 78.7 | 830 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165011

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOD | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.01 | 0.005 | 0.02 | 0.1 |
| V116001 | | <0.5 | 0.2 | <0.002 | <0.01 | 0.45 | 9.8 | <1 | <0.2 | 2.0 | <0.05 | <0.05 | 0.05 | 0.057 | <0.02 | 0.1 |
| V116002 | | 0.5 | 0.7 | <0.002 | 0.01 | 0.10 | 0.3 | 2 | <0.2 | 157.5 | <0.05 | <0.05 | 0.09 | <0.005 | <0.02 | 2.6 |
| V116003 | | <0.5 | 1.9 | <0.002 | 0.01 | 0.18 | 2.0 | 2 | <0.2 | 1575 | <0.05 | <0.05 | 0.08 | 0.014 | <0.02 | 0.1 |
| V116004 | | <0.5 | 0.7 | <0.002 | <0.01 | 0.05 | 0.1 | 1 | <0.2 | 195.5 | <0.05 | <0.05 | 0.06 | <0.005 | <0.02 | 2.0 |
| V116005 | | 10.6 | 42.6 | 0.002 | 0.02 | 0.36 | 6.3 | <1 | 0.8 | 10.1 | 0.19 | 0.16 | 2.39 | 0.090 | 0.29 | 0.4 |
| V116006 | | 2.3 | 17.1 | <0.002 | <0.01 | 0.81 | 25.4 | <1 | 1.3 | 125.5 | 1.15 | <0.05 | 0.91 | 1.235 | 0.18 | 0.3 |
| V116019 | | 3.2 | 3.0 | <0.002 | 0.03 | 0.42 | 3.7 | <1 | 4.2 | 494 | 4.04 | <0.05 | 4.47 | 0.649 | 0.03 | 1.2 |
| V116022 | | 0.9 | 0.2 | <0.002 | 0.06 | 1.44 | 6.1 | <1 | <0.2 | 4.8 | <0.05 | <0.05 | 0.06 | 0.010 | 0.02 | 0.1 |
| V116023 | | 2.7 | 1.1 | 0.002 | <0.01 | 0.33 | 59.4 | <1 | 1.0 | 367 | 0.14 | <0.05 | 0.21 | 1.210 | <0.02 | 0.2 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165011

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|
| | Analyte | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | ppm |
| | LOD | 1 | 0.1 | 0.1 | 2 | 0.5 |
| V116001 | | 47 | <0.1 | 2.3 | 66 | 3.8 |
| V116002 | | 5 | <0.1 | 8.0 | 7 | 1.7 |
| V116003 | | 8 | <0.1 | 7.0 | 7 | 6.1 |
| V116004 | | 10 | 0.1 | 0.7 | 15 | 3.8 |
| V116005 | | 32 | 0.5 | 2.5 | 34 | 28.2 |
| V116006 | | 213 | 1.0 | 16.9 | 109 | 32.3 |
| V116019 | | 7 | 0.5 | 30.2 | 149 | 234 |
| V116022 | | 37 | 0.2 | 0.8 | 40 | 1.7 |
| V116023 | | 482 | 0.1 | 42.0 | 142 | 28.9 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 30-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165011

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| Au-AA23 | BAG-01 | CRU-32 | CRU-QC |
| LOG-21 | ME-MS61 | PUL-35a | PUL-QC |
| SPL-21 | WEI-21 | | |

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**This copy reported on**
**8-AUG-2018**
**Account: NBGECO**

# CERTIFICATE VA18165015

Project: Fort saint James

This report is for 14 Sediment samples submitted to our lab in Vancouver, BC, Canada on 10-JUL-2018.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| DAVID MARTIN | MILOSZ MIELNICZUK | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-21 | Sample logging - ClientBarCode |
| SCR-41 | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION |
|---|---|
| ME-MS41L | Super Trace Lowest DL AR by ICP-MS |

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165015

| Sample Description | Method | WEI-21 | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs |
| | Units | kg | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.02 | 0.0002 | 0.001 | 0.01 | 0.01 | 10 | 0.5 | 0.01 | 0.001 | 0.01 | 0.001 | 0.003 | 0.001 | 0.01 | 0.005 |
| V116007 | | 1.42 | 0.0021 | 0.084 | 1.31 | 6.65 | <10 | 166.5 | 0.32 | 0.086 | 1.37 | 0.271 | 20.6 | 12.65 | 48.7 | 0.801 |
| V116008 | | 1.24 | 0.0010 | 0.109 | 1.53 | 8.78 | <10 | 190.5 | 0.43 | 0.103 | 1.33 | 0.299 | 21.8 | 14.65 | 54.0 | 1.055 |
| V116009 | | 1.58 | 0.0014 | 0.100 | 1.55 | 7.85 | 10 | 242 | 0.40 | 0.101 | 2.31 | 0.279 | 20.1 | 13.65 | 51.8 | 0.932 |
| V116010 | | 1.72 | 0.0012 | 0.099 | 1.47 | 7.49 | <10 | 207 | 0.39 | 0.098 | 1.64 | 0.304 | 19.90 | 12.75 | 45.0 | 0.924 |
| V116011 | | 0.82 | 0.0033 | 0.102 | 1.53 | 7.57 | <10 | 206 | 0.41 | 0.100 | 1.63 | 0.298 | 20.5 | 12.85 | 48.3 | 0.875 |
| V116012 | | 0.50 | 0.0017 | 0.071 | 1.50 | 7.99 | <10 | 188.0 | 0.40 | 0.091 | 1.18 | 0.235 | 22.1 | 13.35 | 53.2 | 0.708 |
| V116013 | | 1.74 | 0.0008 | 0.092 | 1.59 | 4.55 | 10 | 258 | 0.51 | 0.069 | 2.81 | 0.261 | 34.6 | 21.7 | 66.7 | 3.01 |
| V116014 | | 1.60 | 0.0012 | 0.101 | 1.40 | 6.25 | 10 | 209 | 0.43 | 0.076 | 2.31 | 0.321 | 24.7 | 15.95 | 54.6 | 1.710 |
| V116015 | | 2.22 | 0.0012 | 0.120 | 1.43 | 7.55 | <10 | 233 | 0.40 | 0.083 | 2.08 | 0.314 | 22.2 | 12.95 | 53.5 | 0.754 |
| V116016 | | 2.12 | 0.0011 | 0.131 | 1.46 | 8.58 | 10 | 270 | 0.40 | 0.088 | 3.91 | 0.377 | 20.2 | 15.00 | 74.3 | 1.005 |
| V116017 | | 1.44 | 0.0014 | 0.128 | 1.53 | 7.61 | 10 | 283 | 0.40 | 0.077 | 3.87 | 0.381 | 19.20 | 13.60 | 69.8 | 0.969 |
| V116018 | | 2.70 | 0.0011 | 0.111 | 1.30 | 7.00 | <10 | 199.5 | 0.38 | 0.087 | 2.23 | 0.320 | 20.9 | 12.70 | 53.3 | 0.807 |
| V116020 | | 2.24 | 0.0017 | 0.108 | 1.53 | 6.79 | 10 | 202 | 0.38 | 0.092 | 2.69 | 0.342 | 19.10 | 13.65 | 74.6 | 0.948 |
| V116021 | | 1.64 | 0.0009 | 0.110 | 1.49 | 7.32 | 10 | 188.5 | 0.42 | 0.091 | 2.01 | 0.325 | 19.55 | 13.75 | 64.0 | 0.928 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165015

| Sample Description | Method | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn | Mo | Na | Nb |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOD | 0.01 | 0.001 | 0.004 | 0.005 | 0.002 | 0.004 | 0.005 | 0.01 | 0.002 | 0.1 | 0.01 | 0.1 | 0.01 | 0.001 | 0.002 |
| V116007 | | 31.2 | 3.00 | 4.24 | 0.080 | 0.235 | 0.032 | 0.023 | 0.09 | 10.10 | 9.6 | 0.92 | 652 | 1.04 | 0.025 | 0.153 |
| V116008 | | 37.4 | 3.24 | 5.13 | 0.087 | 0.221 | 0.045 | 0.028 | 0.10 | 10.85 | 12.1 | 1.06 | 728 | 0.91 | 0.023 | 0.181 |
| V116009 | | 36.3 | 3.27 | 5.00 | 0.084 | 0.242 | 0.048 | 0.024 | 0.12 | 9.91 | 11.4 | 1.16 | 728 | 1.23 | 0.033 | 0.185 |
| V116010 | | 36.6 | 3.16 | 4.74 | 0.091 | 0.227 | 0.045 | 0.026 | 0.11 | 9.82 | 11.0 | 0.99 | 694 | 1.00 | 0.031 | 0.192 |
| V116011 | | 35.3 | 3.38 | 4.92 | 0.085 | 0.143 | 0.038 | 0.022 | 0.10 | 10.00 | 11.4 | 1.01 | 691 | 1.16 | 0.029 | 0.199 |
| V116012 | | 33.8 | 3.09 | 4.71 | 0.073 | 0.110 | 0.039 | 0.025 | 0.07 | 10.90 | 10.3 | 0.84 | 700 | 0.96 | 0.022 | 0.286 |
| V116013 | | 38.0 | 3.60 | 5.78 | 0.106 | 0.323 | 0.097 | 0.030 | 0.10 | 15.05 | 10.6 | 1.33 | 737 | 1.01 | 0.037 | 0.132 |
| V116014 | | 33.6 | 3.16 | 4.98 | 0.109 | 0.298 | 0.098 | 0.028 | 0.09 | 11.80 | 10.4 | 1.17 | 673 | 1.05 | 0.032 | 0.156 |
| V116015 | | 34.6 | 2.99 | 4.59 | 0.075 | 0.169 | 0.098 | 0.033 | 0.08 | 11.05 | 10.6 | 1.05 | 659 | 1.22 | 0.022 | 0.223 |
| V116016 | | 39.6 | 3.13 | 4.64 | 0.081 | 0.260 | 0.298 | 0.027 | 0.11 | 10.15 | 10.9 | 1.79 | 659 | 1.79 | 0.034 | 0.152 |
| V116017 | | 38.9 | 3.15 | 5.04 | 0.090 | 0.317 | 0.233 | 0.023 | 0.12 | 9.51 | 11.6 | 1.57 | 650 | 1.58 | 0.044 | 0.153 |
| V116018 | | 34.3 | 2.89 | 4.22 | 0.088 | 0.258 | 0.122 | 0.016 | 0.08 | 10.40 | 9.5 | 1.14 | 676 | 1.11 | 0.027 | 0.210 |
| V116020 | | 37.3 | 3.50 | 5.21 | 0.096 | 0.315 | 0.081 | 0.021 | 0.11 | 9.47 | 11.1 | 1.18 | 641 | 1.56 | 0.035 | 0.188 |
| V116021 | | 36.7 | 3.11 | 4.90 | 0.082 | 0.223 | 0.089 | 0.026 | 0.09 | 9.57 | 10.9 | 1.08 | 634 | 1.09 | 0.025 | 0.218 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165015

| Sample Description | Method | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Ni | P | Pb | Pd | Pt | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.04 | 0.001 | 0.005 | 0.001 | 0.002 | 0.005 | 0.001 | 0.01 | 0.005 | 0.005 | 0.1 | 0.01 | 0.01 | 0.005 | 0.01 |
| V116007 | | 48.9 | 0.073 | 6.11 | 0.002 | <0.002 | 4.77 | <0.001 | 0.02 | 0.432 | 6.33 | 0.3 | 0.44 | 55.9 | <0.005 | 0.03 |
| V116008 | | 55.8 | 0.069 | 7.25 | 0.002 | <0.002 | 5.78 | 0.001 | 0.04 | 0.545 | 7.57 | 0.3 | 0.43 | 61.7 | <0.005 | 0.05 |
| V116009 | | 51.9 | 0.069 | 6.90 | 0.002 | 0.002 | 6.12 | 0.001 | 0.05 | 0.540 | 7.12 | 0.5 | 0.50 | 69.1 | <0.005 | 0.02 |
| V116010 | | 48.1 | 0.067 | 6.85 | 0.006 | 0.002 | 5.47 | 0.001 | 0.05 | 0.462 | 6.85 | 0.3 | 0.41 | 59.3 | <0.005 | 0.03 |
| V116011 | | 48.9 | 0.068 | 6.92 | 0.003 | 0.002 | 5.83 | 0.002 | 0.05 | 0.527 | 6.93 | 0.5 | 0.51 | 61.1 | <0.005 | 0.04 |
| V116012 | | 56.7 | 0.070 | 6.67 | 0.004 | <0.002 | 5.02 | 0.001 | <0.01 | 0.497 | 7.14 | 0.2 | 0.44 | 50.4 | <0.005 | 0.03 |
| V116013 | | 70.7 | 0.105 | 5.14 | 0.002 | <0.002 | 6.89 | 0.001 | 0.07 | 0.443 | 8.42 | 0.4 | 0.53 | 104.5 | <0.005 | 0.02 |
| V116014 | | 57.0 | 0.090 | 5.64 | 0.002 | <0.002 | 5.28 | 0.002 | 0.08 | 0.492 | 7.18 | 0.5 | 0.39 | 86.8 | <0.005 | 0.03 |
| V116015 | | 55.0 | 0.072 | 6.37 | <0.001 | <0.002 | 5.30 | 0.001 | <0.01 | 0.497 | 6.85 | 0.3 | 0.38 | 65.3 | <0.005 | 0.02 |
| V116016 | | 89.6 | 0.080 | 6.01 | 0.004 | <0.002 | 5.72 | 0.003 | 0.12 | 0.743 | 6.93 | 0.6 | 0.41 | 99.3 | <0.005 | 0.03 |
| V116017 | | 64.0 | 0.078 | 5.87 | 0.003 | 0.002 | 5.61 | 0.002 | 0.12 | 0.636 | 7.19 | 0.6 | 0.41 | 115.5 | <0.005 | 0.03 |
| V116018 | | 53.8 | 0.081 | 6.25 | 0.001 | 0.002 | 4.50 | <0.001 | 0.07 | 0.468 | 6.31 | 0.4 | 0.37 | 72.6 | <0.005 | 0.03 |
| V116020 | | 54.2 | 0.070 | 6.16 | 0.004 | 0.002 | 5.83 | 0.001 | 0.05 | 0.559 | 7.44 | 0.7 | 0.54 | 89.0 | <0.005 | 0.03 |
| V116021 | | 55.8 | 0.071 | 6.52 | 0.005 | <0.002 | 5.50 | 0.001 | 0.04 | 0.523 | 7.09 | 0.5 | 0.39 | 80.4 | <0.005 | 0.02 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165015

| Sample Description | Method | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L | ME-MS41L |
|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Th | Ti | Tl | U | V | W | Y | Zn | Zr |
| | Units | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOD | 0.002 | 0.001 | 0.002 | 0.005 | 0.1 | 0.001 | 0.003 | 0.1 | 0.01 |
| V116007 | | 2.01 | 0.082 | 0.071 | 0.510 | 59.5 | 1.000 | 9.54 | 67.3 | 8.00 |
| V116008 | | 2.37 | 0.078 | 0.081 | 0.569 | 66.9 | 0.341 | 10.20 | 79.8 | 8.67 |
| V116009 | | 2.19 | 0.081 | 0.095 | 0.655 | 63.2 | 1.645 | 9.83 | 77.4 | 8.52 |
| V116010 | | 2.16 | 0.074 | 0.085 | 0.569 | 59.8 | 0.402 | 9.56 | 75.7 | 7.97 |
| V116011 | | 2.11 | 0.078 | 0.078 | 0.586 | 63.4 | 0.548 | 9.70 | 76.1 | 6.50 |
| V116012 | | 2.11 | 0.085 | 0.086 | 0.560 | 64.7 | 0.625 | 9.89 | 68.4 | 5.40 |
| V116013 | | 2.08 | 0.091 | 0.073 | 0.543 | 78.2 | 0.281 | 12.30 | 75.4 | 10.60 |
| V116014 | | 2.03 | 0.098 | 0.073 | 0.543 | 67.0 | 0.440 | 10.55 | 70.7 | 9.88 |
| V116015 | | 2.14 | 0.089 | 0.096 | 0.626 | 61.8 | 0.330 | 10.00 | 71.3 | 6.88 |
| V116016 | | 2.16 | 0.089 | 0.102 | 0.892 | 65.0 | 0.671 | 10.40 | 77.8 | 9.57 |
| V116017 | | 2.02 | 0.102 | 0.097 | 0.816 | 68.1 | 1.370 | 10.15 | 74.4 | 11.30 |
| V116018 | | 2.04 | 0.098 | 0.085 | 0.623 | 61.7 | 0.206 | 10.30 | 69.4 | 8.74 |
| V116020 | | 1.950 | 0.092 | 0.089 | 0.618 | 67.0 | 1.140 | 9.74 | 75.1 | 9.80 |
| V116021 | | 2.00 | 0.086 | 0.091 | 0.590 | 66.9 | 0.617 | 9.79 | 75.6 | 8.61 |

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **NBG EOTECH & CONTRACTING SERVICES INC.**
**888 DUNSMUIR ST.**
**SUITE 888**
**VANCOUVER BC V6C 3K4**


**Finalized Date: 23-JUL-2018**
**Account: NBGECO**

Project: Fort saint James

# CERTIFICATE OF ANALYSIS VA18165015

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41L

### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

| | | | |
|---|---|---|---|
| LOG-21 | ME-MS41L | SCR-41 | WEI-21 |